

BASICS IN BIOCHEMICAL TECHNIQUES (8 Days)

- ❖ General and safety instructions about Biochemical lab.
- ❖ Good laboratory practices.
- ❖ Principle and handling of biochemical equipments
- ❖ Basics of calculations, weighing and measurements.
- ❖ Preparation of reagents & standard solutions.

CARBOHYDRATES

- Extraction of crude carbohydrate
- Qualitative analysis of carbohydrate
- Estimation of total carbohydrate by Anthrone method

PROTEIN

- Isolation of crude protein
- Qualitative analysis of proteins
- Estimation of total protein by Lowry's method
- SDS-PAGE

LIPIDS

- Extraction of lipids
- Estimation of lipids

NUCLEIC ACIDS

- Extraction of nucleic acids (DNA & RNA)
- Estimation of DNA by DPA method
- Estimation of RNA by Orcinol method
- Agarose Gel electrophoresis

